

Db 121 QTLFLKIPSTLAPMDPSVPIIIFGVFCIIIVAIALLILSGIWQRNRKNKPSVD 180
QY 181 DAEDKCNMTIENGIPSDPLDMKGG 206
Db 181 DAEDKCNMTIENGIPSDPLDMKGG 206

RESULT 212
AAW29670
ID AAW29670 standard; protein; 222 AA.
XX AAW29670;
XX 09-NOV-1998 (first entry)
XX Homo sapiens clone AM42_3 secreted protein.
XX Clone; secreted protein.
XX Homo sapiens.
XX Key Location/Qualifiers
XX Peptide 2..14
XX /note= "signal peptide"
XX W09832853-A2.
XX 30-JUL-1998.
XX 23-JAN-1998; 98WO-US001396.
XX 24-JAN-1997; 97US-00789789.
XX (GENY) GENETICS INST INC.
XX Jacobs K, McCoy JM, Lavallie ER, Racie LA, Merberg D, Treacy M;
XX Spaulding V, Agostino MJ;
XX WPI; 1998-427949/36.
XX N-PSDB; AAV40540.
XX New isolated polynucleotide(s) and secreted proteins - isolated from
XX human foetal kidney, adult brain, adult salivary gland, foetal brain and
XX adult testes cDNA libraries.
XX Claim 15; Page 65-66; 109pp; English.
XX The sequence is that of a secreted protein. Such a protein can have
XX biological activities, e.g. nutritional activity, cytokine and cell
XX proliferation/differentiation activity, immune stimulating or suppressing
XX activity, haematopoiesis regulating activity, tissue growth activity,
XX activin/inhibin activity, chemotactic/chemokinetic activity, haemostatic
XX and thrombolytic activity, receptor/ligand activity, anti-inflammatory
XX activity, cadherin/tumour invasion suppressor activity, tumour inhibition
XX activity, and other activities
SQ Sequence 222 AA;

Query Match 97.1%; Score 1070; DB 2; Length 222;
Best Local Similarity 99.5%; Pred. No. 2.2e-110;
Matches 205; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 MLWLLFFLVTAIHAELCQGAENAFKVLRSIRLTALGDKAYAWDTNEEYLFKAWVAFSMRK 60
Db 1 MLWLLFFLVTAIHAELCQGAENAFKVLRSIRLTALGDKAYAWDTNEEYLFKAWVAFSMRK 60
QY 61 VFNREATEISHVLLCNVTVQSVFWVTVDPSPKHTLPAVEVQSAIRPMNQRINNAFFLND 120
Db 61 VFNREATEISHVLLCNVTVQSVFWVTVDPSPKHTLPAVEVQSAIRPMNQRINNAFFVND 120
QY 121 QTLFLKIPSTLAPMDPSVPIIIFGVFCIIIVAIALLILSGIWQRNRKNKPSVD 180
Db 121 QTLFLKIPSTLAPMDPSVPIIIFGVFCIIIVAIALLILSGIWQRNRKNKPSVD 180

DO NOT
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Applicant

XX Ruben SM, Florence K, Ni J, Rosen CA, Carter KC, Moore PA;
 PI Olsen HS, Shi Y, Young PE, Wei F, Brewer LA, Soppet DR, Lafleur DW;
 PI Endress GA, Ebner R;
 XX WPI; 2000-062296/05.
 DR N-PSDB; AAZ65261.
 XX New isolated human genes and the secreted polypeptides they encode,
 PT useful for diagnosis and treatment of e.g. cancers, neurological
 PT disorders, immune diseases, inflammation or blood disorders.
 XX Claim 11; Page 365-366; 475pp; English.
 XX AAZ65250 to AAZ65350 represent 97 isolated human secreted protein genes.
 CC AAZ65250 to AAZ65350 represent the secreted proteins encoded by the 97
 CC human genes. The genes and their corresponding secreted polypeptides are
 CC useful for preventing, treating or ameliorating medical conditions, e.g.
 CC by protein or gene therapy. Also pathological conditions can be diagnosed
 CC by determining the amount of the new polypeptides in a sample or by
 CC determining the presence of mutations in the new genes. Specific uses are
 CC described for each of the 97 genes, based on which tissues they are most
 CC highly expressed in, and include developing products for the diagnosis or
 CC treatment of cancer, tumours, developmental abnormalities and foetal
 CC deficiencies, blood disorders, diseases of the immune system, autoimmune
 CC diseases, inflammation, allergies, Alzheimer's and cognitive disorders,
 CC schizophrenia, arthritis, asthma, psoriasis, sepsis, skin disorders,
 CC atherosclerosis, diabetes, cardiovascular disorders, kidney disorders,
 CC digestive/endocrine disorders, infections and AIDS. The polypeptides are
 CC also useful for identifying their binding partners. The sequences shown
 CC in AAZ65250 to AAZ65350 represent fragments of the secreted proteins
 XX Sequence 223 AA;
 XX

Query Match 96.7%; Score 1066; DB 3; Length 223;
 Best Local Similarity 99.5%; Pred. No. 6.3e-110;
 Matches 205; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MLWLLFVLTAHAEALCPGAEAFKVLRSIRLTALGDKAYADTNEIYLFKAMVAFSMRK 60
 DB 1 MLWLLFVLTAHAEALCPGAEAFKVLRSIRLTALGDKAYADTNEIYLFKAMVAFSMRK 60

QY 61 VPNEATEISHVLCLCQVTSFVFVTDPSKHTLPAVEVQSAIRNKKRINNAPFLND 120
 DB 61 VPNEATEISHVLCLCQVTSFVFVTDPSKHTLPAVEVQSAIRNKKRINNAPFLNK 120

QY 121 QTLBFLKIPSTLAPPDPSVPIWIIIFGVIFCIIVAIALLLSGIWQRKKKPESEVD 180
 DB 121 QTLBFLKIPSTLAPPDPSVPIWIIIFGVIFCIIVAIALLLSGIWQRKKKPESEVD 180

QY 181 DAEDKCNMTIENGIPSDPLDMKGG 206
 DB 181 DAEDKCNMTIENGIPSDPLDMKGG 206

RESULT 215
 AA04156
 ID AA04156 standard; protein; 222 AA.
 XX
 AC AA04156;
 XX
 DT 16-JUN-1999 (first entry)
 XX
 DE Human 5' EST secreted protein SEQ ID NO:27.
 XX
 KW Human; secreted protein; EST; expressed sequence tag; diagnosis;
 KW forensic; gene therapy; chromosome mapping; signal peptide;
 KW upstream regulatory sequence; cytokine activity; cell proliferation;
 KW differentiation; haematopoiesis regulation; tissue growth regulation;
 KW reproductive hormone regulation; chemotactic; chemokinetic; haemostatic;
 KW thrombolytic; anti-inflammatory; tumour inhibition.
 XX
 OS Homo sapiens.

RESULT 214
 AA076135
 ID AA076135 standard; protein; 223 AA.
 XX
 AC AA076135;
 XX
 DT 23-MAR-2000 (first entry)
 XX
 DE Human secreted protein encoded by gene 12.
 XX
 KW Human; secreted protein; cancer; tumour; developmental abnormality;
 KW foetal deficiency; blood disorder; immune system disorder; inflammation;
 KW autoimmune disease; allergy; Alzheimer's disease; cognitive disorder;
 KW schizophrenia; arthritis; asthma; psoriasis; sepsis; skin disorder;
 KW atherosclerosis; diabetes; cardiovascular disorder; kidney disorder;
 KW digestive disorder; endocrine disorder; infection; AIDS; leukaemia;
 KW therapy.
 XX
 OS Homo sapiens.
 XX
 PN WO9958660-A1.
 XX
 PD 18-NOV-1999.
 XX
 XX 06-MAY-1999; 99WO-US009847.
 XX
 PR 12-MAY-1998; 98US-0085093P.
 PR 12-MAY-1998; 98US-0085094P.
 PR 12-MAY-1998; 98US-0085105P.
 PR 12-MAY-1998; 98US-0085180P.
 PR 12-MAY-1998; 98US-0085906P.
 PR 12-MAY-1998; 98US-0085920P.
 PR 12-MAY-1998; 98US-0085921P.
 PR 12-MAY-1998; 98US-0085922P.
 PR 12-MAY-1998; 98US-0085923P.
 PR 12-MAY-1998; 98US-0085924P.
 PR 12-MAY-1998; 98US-0085925P.
 PR 12-MAY-1998; 98US-0085927P.
 PR 12-MAY-1998; 98US-0085928P.
 XX
 PA (HUMA-) HUMAN GENOME SCI INC.

XX WO99064339-A2.
XX 11-FEB-1999.
XX 31-JUL-1998; 98WO-IB001233.
XX 01-AUG-1997; 97US-00904468.
XX (GEST) GENSET.
XX Dumas Milne Edwards J, Duclert A, Lacroix B;
XX WPI; 1999-153700/13.
XX N-PSDB; AAX19983.
XX New nucleic acids encoding human secreted proteins - obtained from cDNA
XX libraries derived from liver, lung, large intestine, colon, thyroid and
XX pancreas tissue.
XX Example 28; Page 157-158; 398pp; English.
XX AAX40251 to AAX40397 represent 5' expressed sequence tags (ESTs) for
XX human secreted proteins, and encode the proteins given in AAX11533 to
XX AAX11679, respectively. The proteins given represent the signal peptide
XX and an N-terminal fragment of a secreted protein. The nucleic acid
XX sequences can be used for producing secreted human gene products. They
XX can also be used to develop products for diagnosis and therapy. The
XX proteins obtained may have cytokine activity, cell
XX proliferation/differentiation activity, haematopoiesis regulating
XX activity, tissue growth regulating activity, reproductive hormone
XX regulating activity, chemotactic/chemokinetic activity, haemostatic and
XX thrombolytic activity, receptor/ligand activity, anti-inflammatory
XX activity, tumour inhibition activity or other activities. The products
XX can be used in forensic, gene therapy and chromosome mapping procedures.
XX The sequences can also be used for obtaining corresponding promoter
XX sequences. The nucleic acids encoding the signal peptide can be used for
XX directing extracellular secretion of a polypeptide or the insertion of a
XX polypeptide into a membrane, or importing a polypeptide into a cell. The
XX present sequence represents the protein from a 5' EST from an example of
XX the present invention
XX Sequence 222 AA;
Query Match 95.1%; Score 1048; DB 2; Length 222;
Best Local Similarity 98.1%; Pred. No. 6.3e-108;
Matches 202; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
QY 1 MLWLLFFLVTAHAEICQPGAENAFKRLSIRLTALGDKAYAWDTNTEYLFKAMVAFSMRK 60
Db 1 MLWLLFFLVTAHAEICQPGAENAFKRLSIRLTALGDKAYAWDTNTEYLFKAMVAFSMRK 60
QY 61 VNRREATEISHVLLCNVTORVSFWVVDPSKNHTLPAVEVOSATRMKNRINNAFFLND 120
Db 61 VNRREATEISHVLLCNVTORVSFWVVDPSKNHTLPAVEVOSATRMKNRINNAFFLND 120
QY 121 QTEFLKIPSTLAPPMDPSVPWIIFGVIFCIIVAIALLISGIWRRRKNKEPSEVD 180
Db 121 QTEFLKIPSTLAPPMDPSVPWIIFGVIFCIIVAIALLISGIWRRRKNKEPSEVD 180
QY 181 DAEDKCNMTIENGIPSPDLMDKGG 206
Db 181 DAEXXCENMTIENGIPSPDLMDKGG 206